



**PATENT**  
**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:  
Ludwig EISENHUTH et al.

Serial No.: 10/578,106

Int'l Application No.: PCT/EP2004/012744

Int'l Filing Date: November 5, 2004

For: USE OF DERIVATIVE OF ASPARTIC ACID :  
AS A COLLECTOR IN FROTH FLOTATION :  
PROCESS :

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Docket: PST 2191 P1US

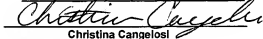
Group Art Unit:

Examiner:

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service as First-Class mail in an envelope addressed to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450

on July 31, 2006

  
Christina Cangelosi

**INFORMATION DISCLOSURE STATEMENT**

Sir:

In accordance with the requirements of 37 CFR §1.56, applicants submit the documents attached hereto. Pursuant to the United States Patent and Trademark Office, OG Notice 05 August 2003, applicants have excluded copies of the six (6) U.S. patent documents. All documents are to be made of record in the above-identified case. A listing of said documents on form PTO-1449 is also attached.

The present Information Disclosure Statement is being filed within three months of the date of entry into the U.S. National stage; therefore, no filing fee is believed to be required. If a filing fee is required, the Commissioner is hereby authorized to charge applicants' deposit account 01-1350 for the full amount of said fee.

A copy of the International Search Report dated May 3, 2005 is enclosed herewith.

Japanese Patent Application No. JP 2000-136172 is not in the English language; however, applicants submit herewith an English language abstract, thereof, i.e., Derwent Abstract No. 0010087724.

Japanese Patent Application No. JP 05-140059 is not in the English language; however, applicants submit herewith an English language abstract thereof, i.e., CAPLUS Abstract No. 1993:581234.

German Patent Application No. DE 3511678 A1 is not in the English language; however, applicants submit herewith an English language abstract, thereof, i.e., Derwent Abstract No.0003475988.

This statement is not intended to represent that no better art exists. Applicants reserve the right to contest the applicability of the documents attached hereto as prior art in the event that any information is discovered which demonstrates that said documents do not qualify as prior art.

Consideration of the present Information Disclosure Statement is respectfully requested. The claimed invention is, however, deemed to represent a patentable departure from the teachings of the prior art.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Ralph J. Mancini", is written over a large, loopy oval-shaped scribble.

Ralph J. Mancini  
Attorney for Applicants  
Registration No.: 34,054

Akzo Nobel Inc.  
Patent and Trademark Dept.  
7 Livingstone Avenue  
Dobbs Ferry, NY 10522-3408  
(914) 674-5465

*Ifw*

*27*



**TRANSMITTAL LETTER**

Application of:  
Ludwig EISENHUTH et al.

Serial No.: 10/578,106

Int'l Application No.: PCT/EP2004/012744  
Int'l Filing Date: November 5, 2004

For: USE OF DERIVATIVE OF ASPARTIC ACID  
AS A COLLECTOR IN FROTH FLOTATION  
PROCESS

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Docket: PST 2191 P1US

Group Art Unit:

Examiner:

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service as First-Class mail in an envelope addressed to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450

on July 31, 2006

*Christina Cangelosi*  
Christina Cangelosi

Sir:

☒ Transmitted herewith find the document(s) related to this application.  
TRANSMITTAL LETTER IN DUPLICATE; INFORMATION DISCLOSURE STATEMENT;  
PTO-1449 FORM; DOCUMENTS (10); CERTIFICATE OF MAILING; AND POST CARD.

☐ Applicant hereby petitions for an extension of time under 37 CFR 1.136 of:

☐ One Month (\$120.00)

☐ Two Months (\$450.00)

☐ Three Months (\$1020.00)

☐ Four Months (\$1590.00)


The total fee believed due is \$ 0.00. Please charge this amount and any other fees, which may be due (including filing fees under 37 CFR 1.16 and processing fees under 37 CFR 1.17) to Deposit Account No. 01-1350. If an extension of time is required but has not been requested above, Applicant hereby petitions for an extension of time sufficient for the attached document(s) to be timely. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

*Ralph J. Mancini*

Ralph J. Mancini  
Attorney for Applicant(s)  
Reg. No. 34,054

Akzo Nobel Inc.  
Intellectual Property Dept.  
7 Livingstone Avenue  
Dobbs Ferry, NY 10522-3408  
Tel No.: (914) 674-5465

<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)				<b>Atty. Docket #</b> PST 2191 P1US		<b>Serial No.</b> 10/578,106	
PTO-1449 (modified)				<b>Applicant</b> Ludwig EISENHUTH et al.			
				<b>Int'l Filing Date</b> November 5, 2004		<b>Group Art Unit</b>	

U.S. PATENT DOCUMENTS						
Init	Document No.	Issue Date	Name	Class	Subclass	Filing Date
	2,200,220	5/7/1940	Reppe et al.	260	534	
	4,043,902	8/23/1977	Hartjens et al.	260	166	
	4,358,368	11/9/1982	Hellsten et al.	209	167	
	4,790,932	12/13/1988	Kottwitz et al.	209	166	
	6,054,260	4/25/2000	Adin et al.	430	583	
	6,077,962	6/20/2000	Prakash et al.	549	253	

FOREIGN PATENT DOCUMENTS							
	Document No.	Publ. Date	Country	Class	Subclass	Translation	
						Y	N
	JP 2000136172	5/16/2000	Japanese	C07C	229/24		X
	JP 05140059	6/8/1993	Japanese	C07C	229/24		X
	DE 3511678 A1	10/3/1985	German	G03C	5/54		X

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)	
International Search Report for International Application No.: PCT/EP2004/012744, 3 May 2005	
Derwent Abstract of JP 2000136172	
CAPLUS accession No. 1993:581234, document No. 119:181234	
Derwent Abstract of DE 3511678 A1	
CAPLUS accession No. 1991:822448, document No. 114:82448	
CAPLUS accession No. 1995:721486, document No. 123:122759	
CAPLUS accession No. 1997:476570, document No. 127:220944	
<b>EXAMINER</b> /Thomas Lithgow/	<b>DATE CONSIDERED</b> 08/09/2010

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /T.L./